

ABSTRACT OF THE DISCLOSURE

A semiconductor memory device is provided with a memory portion, a logical operation circuit which receives the data signal read out from such memory portion and the input data signal to form data to be offered to such memory portion, and a gate circuit. In case ^a data input operation is ^{required} ~~made necessary~~ which eliminates the logical operation, the input data signal is fed not via the logical operation circuit, but via the gate circuit directly to the memory portion. The semiconductor memory device constructed as above permits a high speed operation and is suited for use as the memory for image processing.

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